# Hurricane Ida Projected Damage Areas

## Landfall Expected In About 25 Hours

US Army Corps of Engineers

**For Planning Purposes Only!**

### *Post Landfall Projected Damage Areas*

This model is based on a Category 1 storm making landfall near Pensacola, FL.

Forecast Track
Historic Track

**Projected Damage Areas**

- CAT 0-type damage
- CAT 1-type damage
- CAT 2-type damage
- CAT 3-type damage
- CAT 4-type damage
- CAT 5-type damage

Information provided on this page displays a projected or actual Category 1 storm making landfall near Pensacola, FL. These projections are based on information from the NHC (0400 EDT 11/09/2009) forecast and extrapolated by LRL staff to represent a landfall condition that has either occurred or may occur in the near future.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

**Hurricane Ida Projected Damage Areas**

**Generated By:**
Siemsen, LRL 0630 EDT 11/09/2009

**Sources:**
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

# Hurricane Ida Debris Model

## Landfall Expected In About 25 Hours

**For Planning Purposes Only!**

### *Post Landfall Debris Model Results*

Florida - 1,196,000 Yards
Alabama - 114,000 Yards

*Model results per County on following page*

This model is based on a Category 1 storm making landfall near Pensacola, FL.

Forecast Track
Historic Track

**Debris**

- < 100,000 cubic yards
- 100,000 - 249,999 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 cubic yards
- >1,000,000 cubic yards

Information provided on this page displays a Category 1 storm making landfall near Pensacola, FL. These projections are based on information from the NHC (0400 EDT 11/09/2009) forecast. The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

**Hurricane Ida Debris Model**

**Generated By:**
Siemsen, LRL 0630 EDT 11/09/2009

**Sources:**
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

# Hurricane Ida Debris Model

## Landfall Expected In About 25 Hours

**For Planning Purposes Only!**

| State | Yards per State | County | Yards per County |
|---|---|---|---|
| Alabama | | Baldwin County | 112,000 |
| | | Covington County | 2,000 |
| | | Escambia County | < 1,000 |
| Alabama | 114,000 | | |
| | | | |
| Florida | | Escambia County | 652,000 |
| | | Okaloosa County | 182,000 |
| | | Santa Rosa County | 351,000 |
| | | Walton County | 11,000 |
| Florida | 1,196,000 | | |

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

**Hurricane Ida Debris Model**

**Generated By:**
Siemsen, LRL 0630 EDT 11/09/2009

**Sources:**
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

# Hurricane Ida Commodities Model

## Landfall Expected In About 25 Hours

**For Planning Purposes Only!**

### *Post Landfall Water Model Results*

**Day One / Day Two / Day Three**
Florida – 3/6/11 Truckloads
Alabama – 1/1/1 Truckload

*Model results per County on following page*

This model is based on a Category 1 storm making landfall near Pensacola, FL.

Forecast Track
Historic Track

**Commodities**

- < 5 Trucks Each
- 5 - 10 Trucks Each
- 11 - 20 Trucks Each
- 21 - 40 Trucks Each
- > 40 Trucks Each

Information provided on this page displays a Category 1 storm making landfall near Pensacola, FL. These projections are based on information from the NHC ***(0400 EDT 11/09/2009)*** forecast. The amount of commodities forecasted is based on Mission Guide Book requirements and SME input. The graphic represents daily needs with a ramp-up in the distribution system – three days for Points of Distribution (PODs) to be fully in place and operational. Volume shown is for each commodity – water and ice. Commodity need may be supplied by multiple agencies and/or sources.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

| Hurricane Ida Commodities Model | |
|---|---|
| **Generated By:** Siemsen, LRL 0630 EDT 11/09/2009 | |
| **Sources:** HURREVAC LRL-DEBRIS | Page 4 of 11 |

US Army Corps of Engineers

# Hurricane Ida Commodities Model

## Landfall Expected In About **25** Hours

**For Planning Purposes Only!**

| State | Truckloads per State | County | Truckloads per County |
|---|---|---|---|
| Alabama | | Baldwin County | 1 |
| Alabama | 1 | | |
| | | | |
| Florida | | Escambia County | 7 |
| | | Okaloosa County | 1 |
| | | Santa Rosa County | 3 |
| Florida | 11 | | |

Source: US Army Corps of Engineers, All Rights Reserved

The amount of commodities forecasted is based on Mission Guide Book requirements and SME input and the above table indicates suggested daily needs based on full deployment of a commodities distribution system. Volume shown is for each commodity – water and ice. Commodity need may be supplied by multiple agencies and/or sources.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

**Hurricane Ida Commodities Model**

**Generated By:**
Siemsen, LRL 0630 EDT 11/09/2009

**Sources:**
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

# Hurricane Ida Temporary Roofing Model

## Landfall Expected In About 25 Hours

**For Planning Purposes Only!**

### *Post Landfall Temporary Roofing Model Results*

Florida - 2,800

*Model results per County on following page*

This model is based on a Category 1 storm making landfall near Pensacola, FL.

Forecast Track
Historic Track

**Temporary Roofing**

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 1 storm making landfall near Pensacola, FL. These projections are based on information from the NHC (0400 EDT 11/09/2009) forecast. Temporary roofing is based on 2% in CAT 1.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

| Hurricane Ida Roofing Model | |
|---|---|
| **Generated By:** Siemsen, LRL 0630 EDT 11/09/2009 | |
| **Sources:** HURREVAC LRL-DEBRIS | Page 6 of 11 |

US Army Corps of Engineers

# Hurricane Ida Temporary Roofing Model

## Landfall Expected In About 25 Hours

**For Planning Purposes Only!**

| State | House Units per State | County | House Units per County |
|---|---|---|---|
| Alabama | | Baldwin County | < 100 |
| Alabama | | | |
| | | | |
| Florida | | Escambia County | 1,800 |
| | | Okaloosa County | < 100 |
| | | Santa Rosa County | 1,000 |
| Florida | 2,800 | | |

Temporary roofing is based on 2% in CAT 1.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

**Hurricane Ida Roofing Model**

**Generated By:**
Siemsen, LRL 0630 EDT 11/09/2009

**Sources:**
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

# Hurricane Ida Population Model

## Landfall Expected In About 25 Hours

**For Planning Purposes Only!**

### *Post Landfall Population Model Results*

Florida - 422,000
Alabama - 9,000

*Model results per County on following page*

This model is based on a Category 1 storm making landfall near Pensacola, FL.

Forecast Track
Historic Track

**Population**

- < 25,000 persons
- 25,000 - 99,999 persons
- 100,000 - 174,999 persons
- 175,000 - 249,999 persons
- > 250,000 persons

Information provided on this page displays a Category 1 storm making landfall near Pensacola, FL. These projections are based on information from the NHC (0400 EDT 11/09/2009) forecast. The numbers of persons included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2008 values).

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

| Hurricane Ida Population Model | |
|---|---|
| **Generated By:** Siemsen, LRL 0630 EDT 11/09/2009 | |
| **Sources:** HURREVAC LRL-DEBRIS |  |

US Army Corps of Engineers

# Hurricane Ida Population Model

## Landfall Expected In About 25 Hours

**For Planning Purposes Only!**

| State | Population per State | County | Population per County |
|---|---|---|---|
| Alabama | | Baldwin County | 9,000 |
| Alabama | 9,000 | | |
| | | | |
| Florida | | Escambia County | 276,000 |
| | | Okaloosa County | 11,000 |
| | | Santa Rosa County | 135,000 |
| Florida | 422,000 | | |

The number of persons estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2008 values.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

**Hurricane Ida Population Model**

**Generated By:**
Siemsen, LRL 0630 EDT 11/09/2009

**Sources:**
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LRL-DEBRIS

US Army Corps of Engineers

# Hurricane Ida Households Model

## Landfall Expected In About 25 Hours

**For Planning Purposes Only!**

### *Post Landfall Households Model Results*

Florida - 161,000
Alabama - 4,000

*Model results per County on following page*

This model is based on a Category 1 storm making landfall near Pensacola, FL.

Forecast Track
Historic Track

**Households**

- < 7,500 households
- 7,500 - 14,999 households
- 15,000 - 24,999 households
- 25,000 - 49,999 households
- > 50000 households

Information provided on this page displays a Category 1 storm making landfall near Pensacola, FL. These projections are based on information from the NHC (0400 EDT 11/09/2009) forecast. The numbers of households included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2008 values).

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

| Hurricane Ida Households Model | |
|---|---|
| **Generated By:** Siemsen, LRL 0630 EDT 11/09/2009 | |
| **Sources:** HURREVAC LRL-DEBRIS | Page 10 of 11 |

US Army Corps of Engineers

# Hurricane Ida Households Model

## Landfall Expected In About **25** Hours

**For Planning Purposes Only!**

| State | Households per State | County | Households per County |
|---|---|---|---|
| Alabama | | Baldwin County | 4,000 |
| Alabama | 4,000 | | |
| | | | |
| Florida | | Escambia County | 105,000 |
| | | Okaloosa County | 5,000 |
| | | Santa Rosa County | 51,000 |
| Florida | 161,000 | | |

The number of households estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2008 values.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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**Hurricane Ida Households Model**

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**Sources:**
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LRL-DEBRIS